

What Is Claimed Is:

1. A system for transmitting at least one of energy and data between a vehicle body and a removable part, the system comprising:
 - a first core half including at least one pin;
 - a second core half into which the at least one pin extends; and
 - an inductive transformer including:
 - at least one first winding arranged on the first core half and on a vehicle-body side as a primary side, and
 - at least one second winding arranged on the second core half and on the removable part as a secondary side.
2. The system according to claim 1, further comprising:
 - a ring including a spring and arranged on the first core half, wherein:
 - the spring presses the ring against the second core half in an installed state, and
 - in a separated state, the spring relaxes in such a way that the ring terminates flush with a surface of the at least one pin facing outwardly.
3. The system according to claim 1, wherein:
 - in each case, at least one of the at least one first winding and the at least second winding for the data and energy transmission is provided both on the primary side and on the secondary side.
4. The system according to claim 2, wherein:
 - the ring and the spring are made predominantly of plastic.
5. The system according to claim 2, wherein:
 - the ring includes at least one bore hole for the at least one pin.

6. The system according to claim 1, wherein:

the first core half and the second core half are made predominantly of an iron material.

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